Amendments To The Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of claims:

1. (Currently amended) A liquid crystal display (LCD), comprising:

a data storing ~~means for storing~~ device, which stores present input data and which outputs previously stored ~~outputting the stored~~ present input data as previous input data;

a look-up table device that stores a predetermined number of values, each of which represents a preset analog voltage value, for storing corrected present input data and corrected previous input data, each of which corresponds to the present input data and the previous input data;

a controller that:

generates ~~controlling means for generating~~ first and second load signals,

stores ~~storing the~~ a first present input data ~~at~~ in the data storing device, ~~means~~

reads ~~reading~~ out ~~the~~ a first previous input data from the data storing device, ~~means~~

converts ~~converting~~ the first present input data and the first previous input data into ~~the~~ a first corrected present input data and ~~the~~ a first corrected previous input data with reference to the look-up table device,

calculates ~~calculating~~ a mean value of the ~~based on the~~ first corrected present input data and the first corrected previous input data,

replaces ~~replacing~~ the calculated mean value with a value approximating [[to]] an original gray scale data value, and

outputs ~~outputting~~ the replaced value as [[free-charge]] pre-charge data; and

a liquid crystal driver that converts ~~driving means for converting~~ the [[free-charge]] pre-charge data into analog signals and generating liquid crystal driving signals based on the converted analog signals in response to the first and second load signals.

2. (Currently amended) An LCD as claimed in claim 1, wherein the look-up table stores preset 64 gray scale analog voltages, each of which corresponds ~~corresponding~~ to ~~the~~ present input data.

3. (Currently amended) An LCD as claimed in claim 1, wherein the controller ~~controlling means~~ comprises a correcting data generator for converting and outputting the present input data and the previous input data into the corrected present input data and the corrected previous input data with reference to the look-up table, an adder for adding both the corrected present input data and the corrected previous input data, a divider for dividing the data added by the adder to calculate ~~the~~ a mean value, and a data replacer for replacing the mean value calculated by the divider with the value approximating to the original gray scale data and outputting the replaced value.

4. (Original) An LCD as claimed in claim 2, wherein the data replacer adds a predetermined weight to the mean value calculated by the divider and performs data replacement through rounding off.

5. (Currently amended) An LCD as claimed in claim 1, wherein the liquid crystal driver ~~driving means~~ comprises a digital/analog converter for converting and outputting the [[free-charge]] pre-charge data into the analog signals, a first switch for performing switching in response to the first load signal, a second switch for performing switching in response to the second load signal, a sample and holder circuit section for performing sampling and holding of output signals of the digital/analog converter when the first switch is switched, an output amplifier for amplifying and outputting the sampled and held signals when the second switch is switched.

6. (Currently amended) A method for driving a liquid crystal display (LCD) with a look-up table, in which the look-up table has a plurality of analog voltages corresponding to a plurality of gray scale data, the method comprising the steps of:

storing present input data at a data storage unit;

reading ~~out~~ from the data storage unit, previously stored present input data stored ~~at the data storage unit~~ as previous input data;

converting the present input data and the previous input data into corrected present input data and corrected previous input data respectively, with reference to the look-up table;

calculating a mean value ~~based on~~ of the corrected present input data and

the corrected previous input data;

generating [[free-charge]] pre-charge data by replacing the calculated mean value with a value approximating to original gray scale data and;

converting the [[free-charge]] pre-charge data into analog signals and performing sampling and holding of the converted results;

and amplifying the sampled and held analog signals to generate liquid crystal driving signals.

7. (Currently amended) A method as claimed in claim 6, wherein the step of generating the [[free-charge]] pre-charge data comprises the sub-steps of:

adding a predetermined weight to the calculated mean value, and performing rounding off the mean value added by the weight.